



genpact

Transformation  
Happens Here



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## **Infrastructure Requirements:**

You have to use Eclipse IDE, Tomcat 9 Server, MySQL Server and MySQL Workbench

## **Project Synopsis – Assessment Portal**

This application will help to create and manage the assessments on various skills for the students to consume and evaluate themselves.

**Admin Roles** - Create and manage the Assessments

### **User Roles:**

1. User Registration
2. Login to the application
3. Consuming the assessment

## Admin Roles – Application Requirements

1. The **admin's** details will be in database first hand.
2. The admin can login with username and password
3. Upon login the admin will reach the dashboard
4. On the dashboard there will be a list showing the different **tests** and their details

S. No	Tag	No of questions	No of people who took the test	Action1	Action2
1	C Programming	25	5	<a href="#"><u>Edit</u></a>	<a href="#"><u>Delete</u></a>
2	C++ Programming	10	4	<a href="#"><u>Edit</u></a>	<a href="#"><u>Delete</u></a>
3	C# Programming	15	3	<a href="#"><u>Edit</u></a>	<a href="#"><u>Delete</u></a>
4	Java	5	0	<a href="#"><u>Edit</u></a>	<a href="#"><u>Delete</u></a>

5. The dashboard will contain an option to add a new test
6. On clicking the add button, a form with 2 fields will open : Tag and No of questions. Suppose we fill: Tag – Java Programming and No of **questions** – 5 and click on submit
7. On clicking the submit button, 5 forms to add 5 questions should display on the page.
8. The question addition form will contain following fields:
  - Question
  - Option 1
  - Option 2
  - Option 3
  - Option 4
  - Correct answer
9. Once all the questions are added, the question details should be updated in the displayed list in point 4.
10. Set up the Pass Mark
11. The admin can logout

## User Roles – Application Requirements

1. The **user** has to first register to take the test.
2. The registration form will have fields: name, mobile no and password
3. Once registered the user can login with mobile no and password
4. After login the user will be redirected to **Test Options** page
5. The Test Options page may look like this:



6. On clicking any of the link, the user will be redirected to a page that contains all the questions in the test. Format of 1 question:

Which one of these lists contains only Java programming language keywords?

- ☐ Ⓐ class, if, void, long, Int, continue
  - ☐ Ⓑ goto, instanceof, native, finally, default, throws
  - ☐ Ⓒ try, virtual, throw, final, volatile, transient
  - ☐ Ⓓ strictfp, constant, super, implements, do
7. The user can select any 1 answer
  8. After marking all the answers the user can click Submit
  9. The user can now view the result on the result page
  10. The result page contains 2 options – go back to **Test Options** page or **logout**